

ABSTRACT**METHOD FOR LOST PACKET RECONSTRUCTION
AND DEVICE FOR CARRYING**

5

The invention concerns a method for securing a data packet stream involving the following steps: arranging the packets to be sent in a matrix of D rows and L columns; to each row and each column of the matrix, applying an error correction function, the result of which is a correction packet; then sending the resulting correction packets in addition to the data packets. The invention also concerns a method for reconstructing lost packets in a data packet stream involving the following steps: arranging the received packets in a matrix of D rows and L columns, taking their sequence number into account; to each row and each column of the matrix containing at least one lost packet, applying a function for reconstructing missing packets using the received packets and the correction packet corresponding to the row or to the column. The invention also concerns the devices implementing these methods.

10

15